Data sheets - Siemens SIMOTICS GP motors

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Data sheet

SIMOTICS GP low-voltage motor - series 1LE1002 (IE1)

1LE1002-2AA43-4AA4

30 kW / 3000 rpm

Frame 200 L | 2 poles | IM B3 | Article No. 1LE1002-2AA43-4AA4

GENERAL DATA

Series / efficiency class	**1LE1002 / IE1**
Housing	**Aluminum**
Frame size	**200 L**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**149 kg**

ELECTRICAL DATA

Rated power 50 Hz	**30 kW (about 40 HP)**
Rated power 60 Hz	**33.5 kW**
Rated speed (50 Hz)	**2960 rpm**
Rated torque	**97 Nm**
Rated current	**60 A**
Power factor	**0.79**
Efficiency 4/4 | 3/4 | 2/4	**90.7 | 90.9 | 90.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.3 | 2.5 | 3.6**
Moment of inertia J	**0.124 kgm2**
Sound pressure / power LpfA | LWA	**72 | 85 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1002, p. 2/44 (PDF 162)**

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Data sheet

SIMOTICS GP low-voltage motor - series 1LE1002 (IE1)

1LE1002-2AA43-4FA4

30 kW / 3000 rpm

Frame 200 L | 2 poles | IM B5 | Article No. 1LE1002-2AA43-4FA4

GENERAL DATA

Series / efficiency class	**1LE1002 / IE1**
Housing	**Aluminum**
Frame size	**200 L**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**149 kg**

ELECTRICAL DATA

Rated power 50 Hz	**30 kW (about 40 HP)**
Rated power 60 Hz	**33.5 kW**
Rated speed (50 Hz)	**2960 rpm**
Rated torque	**97 Nm**
Rated current	**60 A**
Power factor	**0.79**
Efficiency 4/4 | 3/4 | 2/4	**90.7 | 90.9 | 90.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.3 | 2.5 | 3.6**
Moment of inertia J	**0.124 kgm2**
Sound pressure / power LpfA | LWA	**72 | 85 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1002, p. 2/44 (PDF 162)**

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Data sheet

SIMOTICS GP low-voltage motor - series 1LE1001 (IE2)

1LE1001-2AA43-4AA4

30 kW / 3000 rpm

Frame 200 L | 2 poles | IM B3 | Article No. 1LE1001-2AA43-4AA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
Housing	**Aluminum**
Frame size	**200 L**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**158 kg**

ELECTRICAL DATA

Rated power 50 Hz	**30 kW (about 40 HP)**
Rated power 60 Hz	**33.5 kW**
Rated speed (50 Hz)	**2960 rpm**
Rated torque	**97 Nm**
Rated current	**54 A**
Power factor	**0.87**
Efficiency 4/4 | 3/4 | 2/4	**92 | 92.3 | 91.8 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.9 | 2.5 | 3.3**
Moment of inertia J	**0.13 kgm2**
Sound pressure / power LpfA | LWA	**78 | 85 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1001, p. 2/26 (PDF 144)**

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Data sheet

SIMOTICS GP low-voltage motor - series 1LE1001 (IE2)

1LE1001-2AA43-4FA4

30 kW / 3000 rpm

Frame 200 L | 2 poles | IM B5 | Article No. 1LE1001-2AA43-4FA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
Housing	**Aluminum**
Frame size	**200 L**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**158 kg**

ELECTRICAL DATA

Rated power 50 Hz	**30 kW (about 40 HP)**
Rated power 60 Hz	**33.5 kW**
Rated speed (50 Hz)	**2960 rpm**
Rated torque	**97 Nm**
Rated current	**54 A**
Power factor	**0.87**
Efficiency 4/4 | 3/4 | 2/4	**92 | 92.3 | 91.8 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.9 | 2.5 | 3.3**
Moment of inertia J	**0.13 kgm2**
Sound pressure / power LpfA | LWA	**78 | 85 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1001, p. 2/26 (PDF 144)**

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Data sheet

SIMOTICS GP low-voltage motor - series 1LE1001 (IE2)

1LE1001-1EA63-4AA4

30 kW / 3000 rpm

Frame 180 L | 2 poles | IM B3 | Article No. 1LE1001-1EA63-4AA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
Housing	**Aluminum**
Frame size	**180 L**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**139 kg**

ELECTRICAL DATA

Rated power 50 Hz	**30 kW (about 40 HP)**
Rated power 60 Hz	**33.5 kW**
Rated speed (50 Hz)	**2940 rpm**
Rated torque	**97 Nm**
Rated current	**53 A**
Power factor	**0.89**
Efficiency 4/4 | 3/4 | 2/4	**92 | 92.6 | 92.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.8 | 2.3 | 3.4**
Moment of inertia J	**0.094 kgm2**
Sound pressure / power LpfA | LWA	**76 | 83 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1001, p. 2/30 (PDF 148)**

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Data sheet

SIMOTICS GP low-voltage motor - series 1LE1001 (IE2)

1LE1001-1EA63-4FA4

30 kW / 3000 rpm

Frame 180 L | 2 poles | IM B5 | Article No. 1LE1001-1EA63-4FA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
Housing	**Aluminum**
Frame size	**180 L**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**139 kg**

ELECTRICAL DATA

Rated power 50 Hz	**30 kW (about 40 HP)**
Rated power 60 Hz	**33.5 kW**
Rated speed (50 Hz)	**2940 rpm**
Rated torque	**97 Nm**
Rated current	**53 A**
Power factor	**0.89**
Efficiency 4/4 | 3/4 | 2/4	**92 | 92.6 | 92.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.8 | 2.3 | 3.4**
Moment of inertia J	**0.094 kgm2**
Sound pressure / power LpfA | LWA	**76 | 83 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1001, p. 2/30 (PDF 148)**

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Data sheet

SIMOTICS GP low-voltage motor - series 1LE1003 (IE3)

1LE1003-2AA43-4AA4

30 kW / 3000 rpm

Frame 200 L | 2 poles | IM B3 | Article No. 1LE1003-2AA43-4AA4

GENERAL DATA

Series / efficiency class	**1LE1003 / IE3**
Housing	**Aluminum**
Frame size	**200 L**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**173 kg**

ELECTRICAL DATA

Rated power 50 Hz	**30 kW (about 40 HP)**
Rated power 60 Hz	**33.5 kW**
Rated speed (50 Hz)	**2955 rpm**
Rated torque	**97 Nm**
Rated current	**53 A**
Power factor	**0.87**
Efficiency 4/4 | 3/4 | 2/4	**93.3 | 93.5 | 92.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7 | 2.5 | 3.3**
Moment of inertia J	**0.134 kgm2**
Sound pressure / power LpfA | LWA	**67 | 80 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1003, p. 2/13 (PDF 131)**

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60 Hz speed/efficiency are not listed in the catalogs (see Siemens DT Configurator).

Data sheet

SIMOTICS GP low-voltage motor - series 1LE1003 (IE3)

1LE1003-2AA43-4FA4

30 kW / 3000 rpm

Frame 200 L | 2 poles | IM B5 | Article No. 1LE1003-2AA43-4FA4

GENERAL DATA

Series / efficiency class	**1LE1003 / IE3**
Housing	**Aluminum**
Frame size	**200 L**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**173 kg**

ELECTRICAL DATA

Rated power 50 Hz	**30 kW (about 40 HP)**
Rated power 60 Hz	**33.5 kW**
Rated speed (50 Hz)	**2955 rpm**
Rated torque	**97 Nm**
Rated current	**53 A**
Power factor	**0.87**
Efficiency 4/4 | 3/4 | 2/4	**93.3 | 93.5 | 92.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7 | 2.5 | 3.3**
Moment of inertia J	**0.134 kgm2**
Sound pressure / power LpfA | LWA	**67 | 80 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1003, p. 2/13 (PDF 131)**

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60 Hz speed/efficiency are not listed in the catalogs (see Siemens DT Configurator).

Data sheet

SIMOTICS GP low-voltage motor - series 1LE1003 (IE3)

1LE1003-1EA63-4AA4

30 kW / 3000 rpm

Frame 180 L | 2 poles | IM B3 | Article No. 1LE1003-1EA63-4AA4

GENERAL DATA

Series / efficiency class	**1LE1003 / IE3**
Housing	**Aluminum**
Frame size	**180 L**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**140 kg**

ELECTRICAL DATA

Rated power 50 Hz	**30 kW (about 40 HP)**
Rated power 60 Hz	**33.5 kW**
Rated speed (50 Hz)	**2950 rpm**
Rated torque	**97 Nm**
Rated current	**53 A**
Power factor	**0.88**
Efficiency 4/4 | 3/4 | 2/4	**93.3 | 93.9 | 93.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**8.6 | 2.6 | 3.9**
Moment of inertia J	**0.094 kgm2**
Sound pressure / power LpfA | LWA	**67 | 80 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1003, p. 2/16 (PDF 134)**

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60 Hz speed/efficiency are not listed in the catalogs (see Siemens DT Configurator).

Data sheet

SIMOTICS GP low-voltage motor - series 1LE1003 (IE3)

1LE1003-1EA63-4FA4

30 kW / 3000 rpm

Frame 180 L | 2 poles | IM B5 | Article No. 1LE1003-1EA63-4FA4

GENERAL DATA

Series / efficiency class	**1LE1003 / IE3**
Housing	**Aluminum**
Frame size	**180 L**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**140 kg**

ELECTRICAL DATA

Rated power 50 Hz	**30 kW (about 40 HP)**
Rated power 60 Hz	**33.5 kW**
Rated speed (50 Hz)	**2950 rpm**
Rated torque	**97 Nm**
Rated current	**53 A**
Power factor	**0.88**
Efficiency 4/4 | 3/4 | 2/4	**93.3 | 93.9 | 93.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**8.6 | 2.6 | 3.9**
Moment of inertia J	**0.094 kgm2**
Sound pressure / power LpfA | LWA	**67 | 80 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1003, p. 2/16 (PDF 134)**

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60 Hz speed/efficiency are not listed in the catalogs (see Siemens DT Configurator).

Data sheet

SIMOTICS GP low-voltage motor - series 1LE1043 (IE3)

1LE1043-2AA43-4AA4

30 kW / 3000 rpm

Frame 200 L | 2 poles | IM B3 | Article No. 1LE1043-2AA43-4AA4

GENERAL DATA

Series / efficiency class	**1LE1043 / IE3**
Housing	**Aluminum**
Frame size	**200 L**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**173 kg**

ELECTRICAL DATA - CATALOG VALUES AT 60 HZ (APAC LINE)

Rated power (P50 rating)	**30 kW (about 40 HP)**
Rated power (P60 rating)	**33.5 kW**
Rated speed (60 Hz)	**3560 rpm**
Rated torque (60 Hz)	**80 Nm**
Rated current (460 V, 60 Hz)	**47 A**
Power factor (60 Hz)	**0.87**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**92.4 | 92.2 | 91.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**7.6 | 2.9 | 3.6**
Moment of inertia J	**0.134 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**77 | 84 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1043, p. 2/54 (PDF 172)**

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APAC Line: the catalog lists operating values at 60 Hz only; 50 Hz speed/efficiency are not listed (see Siemens DT Configurator).

Data sheet

SIMOTICS GP low-voltage motor - series 1LE1043 (IE3)

1LE1043-2AA43-4FA4

30 kW / 3000 rpm

Frame 200 L | 2 poles | IM B5 | Article No. 1LE1043-2AA43-4FA4

GENERAL DATA

Series / efficiency class	**1LE1043 / IE3**
Housing	**Aluminum**
Frame size	**200 L**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**173 kg**

ELECTRICAL DATA - CATALOG VALUES AT 60 HZ (APAC LINE)

Rated power (P50 rating)	**30 kW (about 40 HP)**
Rated power (P60 rating)	**33.5 kW**
Rated speed (60 Hz)	**3560 rpm**
Rated torque (60 Hz)	**80 Nm**
Rated current (460 V, 60 Hz)	**47 A**
Power factor (60 Hz)	**0.87**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**92.4 | 92.2 | 91.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**7.6 | 2.9 | 3.6**
Moment of inertia J	**0.134 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**77 | 84 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1043, p. 2/54 (PDF 172)**

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APAC Line: the catalog lists operating values at 60 Hz only; 50 Hz speed/efficiency are not listed (see Siemens DT Configurator).

Data sheet

SIMOTICS GP low-voltage motor - series 1LE1043 (IE3)

1LE1043-1EA63-4AA4

30 kW / 3000 rpm

Frame 180 L | 2 poles | IM B3 | Article No. 1LE1043-1EA63-4AA4

GENERAL DATA

Series / efficiency class	**1LE1043 / IE3**
Housing	**Aluminum**
Frame size	**180 L**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**140 kg**

ELECTRICAL DATA - CATALOG VALUES AT 60 HZ (APAC LINE)

Rated power (P50 rating)	**30 kW (about 40 HP)**
Rated power (P60 rating)	**33.5 kW**
Rated speed (60 Hz)	**3560 rpm**
Rated torque (60 Hz)	**80 Nm**
Rated current (460 V, 60 Hz)	**47 A**
Power factor (60 Hz)	**0.87**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**92.4 | 92.6 | 92.1 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**8.8 | 2.9 | 4.5**
Moment of inertia J	**0.094 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**77 | 89 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1043, p. 2/56 (PDF 174)**

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APAC Line: the catalog lists operating values at 60 Hz only; 50 Hz speed/efficiency are not listed (see Siemens DT Configurator).

Data sheet

SIMOTICS GP low-voltage motor - series 1LE1043 (IE3)

1LE1043-1EA63-4FA4

30 kW / 3000 rpm

Frame 180 L | 2 poles | IM B5 | Article No. 1LE1043-1EA63-4FA4

GENERAL DATA

Series / efficiency class	**1LE1043 / IE3**
Housing	**Aluminum**
Frame size	**180 L**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**140 kg**

ELECTRICAL DATA - CATALOG VALUES AT 60 HZ (APAC LINE)

Rated power (P50 rating)	**30 kW (about 40 HP)**
Rated power (P60 rating)	**33.5 kW**
Rated speed (60 Hz)	**3560 rpm**
Rated torque (60 Hz)	**80 Nm**
Rated current (460 V, 60 Hz)	**47 A**
Power factor (60 Hz)	**0.87**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**92.4 | 92.6 | 92.1 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**8.8 | 2.9 | 4.5**
Moment of inertia J	**0.094 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**77 | 89 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1043, p. 2/56 (PDF 174)**

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APAC Line: the catalog lists operating values at 60 Hz only; 50 Hz speed/efficiency are not listed (see Siemens DT Configurator).

Data sheet

SIMOTICS GP low-voltage motor - series 1LE1004 (IE4)

1LE1004-2AA43-4AA4

30 kW / 3000 rpm

Frame 200 L | 2 poles | IM B3 | Article No. 1LE1004-2AA43-4AA4

GENERAL DATA

Series / efficiency class	**1LE1004 / IE4**
Housing	**Aluminum**
Frame size	**200 L**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**173 kg**

ELECTRICAL DATA

Rated power 50 Hz	**30 kW (about 40 HP)**
Rated power 60 Hz	**33.5 kW**
Rated speed (50 Hz)	**2955 rpm**
Rated torque	**97 Nm**
Rated current	**54 A**
Power factor	**0.85**
Efficiency 4/4 | 3/4 | 2/4	**94.5 | 94.8 | 94.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.9 | 2.8 | 4**
Moment of inertia J	**0.13 kgm2**
Sound pressure / power LpfA | LWA	**69 | 83 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1004, p. 2/8 (PDF 126)**

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60 Hz speed/efficiency are not listed in the catalogs (see Siemens DT Configurator).

Data sheet

SIMOTICS GP low-voltage motor - series 1LE1004 (IE4)

1LE1004-2AA43-4FA4

30 kW / 3000 rpm

Frame 200 L | 2 poles | IM B5 | Article No. 1LE1004-2AA43-4FA4

GENERAL DATA

Series / efficiency class	**1LE1004 / IE4**
Housing	**Aluminum**
Frame size	**200 L**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**173 kg**

ELECTRICAL DATA

Rated power 50 Hz	**30 kW (about 40 HP)**
Rated power 60 Hz	**33.5 kW**
Rated speed (50 Hz)	**2955 rpm**
Rated torque	**97 Nm**
Rated current	**54 A**
Power factor	**0.85**
Efficiency 4/4 | 3/4 | 2/4	**94.5 | 94.8 | 94.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.9 | 2.8 | 4**
Moment of inertia J	**0.13 kgm2**
Sound pressure / power LpfA | LWA	**69 | 83 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1004, p. 2/8 (PDF 126)**

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60 Hz speed/efficiency are not listed in the catalogs (see Siemens DT Configurator).

Data sheet

SIMOTICS GP low-voltage motor - series 1LE0102 (IE1)

1LE0102-2AA43-4AA4

30 kW / 3000 rpm

Frame 200 L | 2 poles | IM B3 | Article No. 1LE0102-2AA43-4AA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**200 L**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**224 kg**

ELECTRICAL DATA

Rated power 50 Hz	**30 kW (about 40 HP)**
Rated power 60 Hz	**33.5 kW**
Rated speed (50 Hz)	**2950 rpm**
Rated torque	**97 Nm**
Rated current	**55 A**
Power factor	**0.87**
Efficiency 4/4 | 3/4 | 2/4	**90.7 | 90.8 | 89 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.5 | 3.2**
Moment of inertia J	**0.12 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0102, p. 20 (PDF 20)**

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60 Hz speed/efficiency are not listed in the catalogs (see Siemens DT Configurator).

Data sheet

SIMOTICS GP low-voltage motor - series 1LE0102 (IE1)

1LE0102-2AA43-4FA4

30 kW / 3000 rpm

Frame 200 L | 2 poles | IM B5 | Article No. 1LE0102-2AA43-4FA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**200 L**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**224 kg**

ELECTRICAL DATA

Rated power 50 Hz	**30 kW (about 40 HP)**
Rated power 60 Hz	**33.5 kW**
Rated speed (50 Hz)	**2950 rpm**
Rated torque	**97 Nm**
Rated current	**55 A**
Power factor	**0.87**
Efficiency 4/4 | 3/4 | 2/4	**90.7 | 90.8 | 89 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.5 | 3.2**
Moment of inertia J	**0.12 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0102, p. 20 (PDF 20)**

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60 Hz speed/efficiency are not listed in the catalogs (see Siemens DT Configurator).

Data sheet

SIMOTICS GP low-voltage motor - series 1LE0102 (IE1)

1LE0102-2AA44-1AA4

30 kW / 3000 rpm

Frame 200 L | 2 poles | IM B3 | Article No. 1LE0102-2AA44-1AA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**200 L**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**525 V D**
Net weight (IM B3)	**224 kg**

ELECTRICAL DATA

Rated power 50 Hz	**30 kW (about 40 HP)**
Rated power 60 Hz	**33.5 kW**
Rated speed (50 Hz)	**2950 rpm**
Rated torque	**97 Nm**
Rated current	**42 A**
Power factor	**0.87**
Efficiency 4/4 | 3/4 | 2/4	**90.7 | 90.8 | 89 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.5 | 3.2**
Moment of inertia J	**0.12 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0102, p. 26 (PDF 26)**

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60 Hz speed/efficiency are not listed in the catalogs (see Siemens DT Configurator).

Data sheet

SIMOTICS GP low-voltage motor - series 1LE0102 (IE1)

1LE0102-2AA44-1FA4

30 kW / 3000 rpm

Frame 200 L | 2 poles | IM B5 | Article No. 1LE0102-2AA44-1FA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**200 L**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**525 V D**
Net weight (IM B3)	**224 kg**

ELECTRICAL DATA

Rated power 50 Hz	**30 kW (about 40 HP)**
Rated power 60 Hz	**33.5 kW**
Rated speed (50 Hz)	**2950 rpm**
Rated torque	**97 Nm**
Rated current	**42 A**
Power factor	**0.87**
Efficiency 4/4 | 3/4 | 2/4	**90.7 | 90.8 | 89 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.5 | 3.2**
Moment of inertia J	**0.12 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0102, p. 26 (PDF 26)**

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60 Hz speed/efficiency are not listed in the catalogs (see Siemens DT Configurator).

Data sheet

SIMOTICS GP low-voltage motor - series 1LE1502 (IE1)

1LE1502-2AA43-4FA4

30 kW / 3000 rpm

Frame 200 L | 2 poles | IM B5 | Article No. 1LE1502-2AA43-4FA4

GENERAL DATA

Series / efficiency class	**1LE1502 / IE1**
Housing	**Cast iron**
Frame size	**200 L**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**195 kg**

ELECTRICAL DATA

Rated power 50 Hz	**30 kW (about 40 HP)**
Rated power 60 Hz	**33.5 kW**
Rated speed (50 Hz)	**2960 rpm**
Rated torque	**97 Nm**
Rated current	**60 A**
Power factor	**0.79**
Efficiency 4/4 | 3/4 | 2/4	**90.7 | 90.9 | 90.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.3 | 2.5 | 3.6**
Moment of inertia J	**0.124 kgm2**
Sound pressure / power LpfA | LWA	**72 | 85 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1502, p. 2/48 (PDF 166)**

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60 Hz speed/efficiency are not listed in the catalogs (see Siemens DT Configurator).

Data sheet

SIMOTICS GP low-voltage motor - series 1LE1502 (IE1)

1LE1502-1EA63-4AA4

30 kW / 3000 rpm

Frame 180 L | 2 poles | IM B3 | Article No. 1LE1502-1EA63-4AA4

GENERAL DATA

Series / efficiency class	**1LE1502 / IE1**
Housing	**Cast iron**
Frame size	**180 L**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**180 kg**

ELECTRICAL DATA

Rated power 50 Hz	**30 kW (about 40 HP)**
Rated power 60 Hz	**33.5 kW**
Rated speed (50 Hz)	**2940 rpm**
Rated torque	**97 Nm**
Rated current	**54 A**
Power factor	**0.89**
Efficiency 4/4 | 3/4 | 2/4	**90.7 | 91.5 | 91.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**8.1 | 2.4 | 3.5**
Moment of inertia J	**0.094 kgm2**
Sound pressure / power LpfA | LWA	**72 | 85 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1502, p. 2/52 (PDF 170)**

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60 Hz speed/efficiency are not listed in the catalogs (see Siemens DT Configurator).

Data sheet

SIMOTICS GP low-voltage motor - series 1LE1502 (IE1)

1LE1502-1EA63-4FA4

30 kW / 3000 rpm

Frame 180 L | 2 poles | IM B5 | Article No. 1LE1502-1EA63-4FA4

GENERAL DATA

Series / efficiency class	**1LE1502 / IE1**
Housing	**Cast iron**
Frame size	**180 L**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**180 kg**

ELECTRICAL DATA

Rated power 50 Hz	**30 kW (about 40 HP)**
Rated power 60 Hz	**33.5 kW**
Rated speed (50 Hz)	**2940 rpm**
Rated torque	**97 Nm**
Rated current	**54 A**
Power factor	**0.89**
Efficiency 4/4 | 3/4 | 2/4	**90.7 | 91.5 | 91.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**8.1 | 2.4 | 3.5**
Moment of inertia J	**0.094 kgm2**
Sound pressure / power LpfA | LWA	**72 | 85 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1502, p. 2/52 (PDF 170)**

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60 Hz speed/efficiency are not listed in the catalogs (see Siemens DT Configurator).

Data sheet

SIMOTICS GP low-voltage motor - series 1LE0101 (IE2)

1LE0101-2AA43-4AB4

30 kW / 3000 rpm

Frame 200 L | 2 poles | IM B3 | Article No. 1LE0101-2AA43-4AB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**200 L**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**229 kg**

ELECTRICAL DATA

Rated power 50 Hz	**30 kW (about 40 HP)**
Rated power 60 Hz	**33.5 kW**
Rated speed (50 Hz)	**2955 rpm**
Rated torque	**97 Nm**
Rated current	**55 A**
Power factor	**0.86**
Efficiency 4/4 | 3/4 | 2/4	**92 | 92.3 | 91.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.5 | 3.2**
Moment of inertia J	**0.13 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0101, p. 23 (PDF 23)**

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60 Hz speed/efficiency are not listed in the catalogs (see Siemens DT Configurator).

Data sheet

SIMOTICS GP low-voltage motor - series 1LE0101 (IE2)

1LE0101-2AA43-4FB4

30 kW / 3000 rpm

Frame 200 L | 2 poles | IM B5 | Article No. 1LE0101-2AA43-4FB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**200 L**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**229 kg**

ELECTRICAL DATA

Rated power 50 Hz	**30 kW (about 40 HP)**
Rated power 60 Hz	**33.5 kW**
Rated speed (50 Hz)	**2955 rpm**
Rated torque	**97 Nm**
Rated current	**55 A**
Power factor	**0.86**
Efficiency 4/4 | 3/4 | 2/4	**92 | 92.3 | 91.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.5 | 3.2**
Moment of inertia J	**0.13 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0101, p. 23 (PDF 23)**

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60 Hz speed/efficiency are not listed in the catalogs (see Siemens DT Configurator).

Data sheet

SIMOTICS GP low-voltage motor - series 1LE0101 (IE2)

1LE0101-2AA44-1AB4

30 kW / 3000 rpm

Frame 200 L | 2 poles | IM B3 | Article No. 1LE0101-2AA44-1AB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**200 L**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**525 V D**
Net weight (IM B3)	**229 kg**

ELECTRICAL DATA

Rated power 50 Hz	**30 kW (about 40 HP)**
Rated power 60 Hz	**33.5 kW**
Rated speed (50 Hz)	**2955 rpm**
Rated torque	**97 Nm**
Rated current	**42 A**
Power factor	**0.86**
Efficiency 4/4 | 3/4 | 2/4	**92 | 92.3 | 91.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.5 | 3.2**
Moment of inertia J	**0.13 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0101, p. 28 (PDF 28)**

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60 Hz speed/efficiency are not listed in the catalogs (see Siemens DT Configurator).

Data sheet

SIMOTICS GP low-voltage motor - series 1LE0101 (IE2)

1LE0101-2AA44-1FB4

30 kW / 3000 rpm

Frame 200 L | 2 poles | IM B5 | Article No. 1LE0101-2AA44-1FB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**200 L**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**525 V D**
Net weight (IM B3)	**229 kg**

ELECTRICAL DATA

Rated power 50 Hz	**30 kW (about 40 HP)**
Rated power 60 Hz	**33.5 kW**
Rated speed (50 Hz)	**2955 rpm**
Rated torque	**97 Nm**
Rated current	**42 A**
Power factor	**0.86**
Efficiency 4/4 | 3/4 | 2/4	**92 | 92.3 | 91.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.5 | 3.2**
Moment of inertia J	**0.13 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0101, p. 28 (PDF 28)**

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60 Hz speed/efficiency are not listed in the catalogs (see Siemens DT Configurator).

Data sheet

SIMOTICS GP low-voltage motor - series 1LE1501 (IE2)

1LE1501-2AA43-4AA4

30 kW / 3000 rpm

Frame 200 L | 2 poles | IM B3 | Article No. 1LE1501-2AA43-4AA4

GENERAL DATA

Series / efficiency class	**1LE1501 / IE2**
Housing	**Cast iron**
Frame size	**200 L**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**200 kg**

ELECTRICAL DATA

Rated power 50 Hz	**30 kW (about 40 HP)**
Rated power 60 Hz	**33.5 kW**
Rated speed (50 Hz)	**2960 rpm**
Rated torque	**97 Nm**
Rated current	**54 A**
Power factor	**0.87**
Efficiency 4/4 | 3/4 | 2/4	**92 | 92.3 | 91.8 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.9 | 2.5 | 3.3**
Moment of inertia J	**0.13 kgm2**
Sound pressure / power LpfA | LWA	**78 | 85 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1501, p. 2/32 (PDF 150)**

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60 Hz speed/efficiency are not listed in the catalogs (see Siemens DT Configurator).

Data sheet

SIMOTICS GP low-voltage motor - series 1LE1501 (IE2)

1LE1501-2AA43-4FA4

30 kW / 3000 rpm

Frame 200 L | 2 poles | IM B5 | Article No. 1LE1501-2AA43-4FA4

GENERAL DATA

Series / efficiency class	**1LE1501 / IE2**
Housing	**Cast iron**
Frame size	**200 L**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**200 kg**

ELECTRICAL DATA

Rated power 50 Hz	**30 kW (about 40 HP)**
Rated power 60 Hz	**33.5 kW**
Rated speed (50 Hz)	**2960 rpm**
Rated torque	**97 Nm**
Rated current	**54 A**
Power factor	**0.87**
Efficiency 4/4 | 3/4 | 2/4	**92 | 92.3 | 91.8 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.9 | 2.5 | 3.3**
Moment of inertia J	**0.13 kgm2**
Sound pressure / power LpfA | LWA	**78 | 85 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1501, p. 2/32 (PDF 150)**

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60 Hz speed/efficiency are not listed in the catalogs (see Siemens DT Configurator).

Data sheet

SIMOTICS GP low-voltage motor - series 1LE1501 (IE2)

1LE1501-1EA63-4AA4

30 kW / 3000 rpm

Frame 180 L | 2 poles | IM B3 | Article No. 1LE1501-1EA63-4AA4

GENERAL DATA

Series / efficiency class	**1LE1501 / IE2**
Housing	**Cast iron**
Frame size	**180 L**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**180 kg**

ELECTRICAL DATA

Rated power 50 Hz	**30 kW (about 40 HP)**
Rated power 60 Hz	**33.5 kW**
Rated speed (50 Hz)	**2940 rpm**
Rated torque	**97 Nm**
Rated current	**53 A**
Power factor	**0.89**
Efficiency 4/4 | 3/4 | 2/4	**92 | 92.6 | 92.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.8 | 2.3 | 3.4**
Moment of inertia J	**0.094 kgm2**
Sound pressure / power LpfA | LWA	**76 | 83 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1501, p. 2/40 (PDF 158)**

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60 Hz speed/efficiency are not listed in the catalogs (see Siemens DT Configurator).

Data sheet

SIMOTICS GP low-voltage motor - series 1LE1501 (IE2)

1LE1501-1EA63-4FA4

30 kW / 3000 rpm

Frame 180 L | 2 poles | IM B5 | Article No. 1LE1501-1EA63-4FA4

GENERAL DATA

Series / efficiency class	**1LE1501 / IE2**
Housing	**Cast iron**
Frame size	**180 L**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**180 kg**

ELECTRICAL DATA

Rated power 50 Hz	**30 kW (about 40 HP)**
Rated power 60 Hz	**33.5 kW**
Rated speed (50 Hz)	**2940 rpm**
Rated torque	**97 Nm**
Rated current	**53 A**
Power factor	**0.89**
Efficiency 4/4 | 3/4 | 2/4	**92 | 92.6 | 92.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.8 | 2.3 | 3.4**
Moment of inertia J	**0.094 kgm2**
Sound pressure / power LpfA | LWA	**76 | 83 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1501, p. 2/40 (PDF 158)**

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60 Hz speed/efficiency are not listed in the catalogs (see Siemens DT Configurator).

Data sheet

SIMOTICS GP low-voltage motor - series 1LE1541 (IE2)

1LE1541-2AA43-4FA4

30 kW / 3000 rpm

Frame 200 L | 2 poles | IM B5 | Article No. 1LE1541-2AA43-4FA4

GENERAL DATA

Series / efficiency class	**1LE1541 / IE2**
Housing	**Cast iron**
Frame size	**200 L**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**200 kg**

ELECTRICAL DATA - CATALOG VALUES AT 60 HZ (APAC LINE)

Rated power (P50 rating)	**30 kW (about 40 HP)**
Rated power (P60 rating)	**33.5 kW**
Rated speed (60 Hz)	**3565 rpm**
Rated torque (60 Hz)	**80 Nm**
Rated current (460 V, 60 Hz)	**47.5 A**
Power factor (60 Hz)	**0.86**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**91.7 | 91.2 | 89.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**7.7 | 2.9 | 3.8**
Moment of inertia J	**0.13 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**82 | 89 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1541, p. 2/68 (PDF 186)**

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APAC Line: the catalog lists operating values at 60 Hz only; 50 Hz speed/efficiency are not listed (see Siemens DT Configurator).

Data sheet

SIMOTICS GP low-voltage motor - series 1LE1541 (IE2)

1LE1541-1EA63-4FA4

30 kW / 3000 rpm

Frame 180 L | 2 poles | IM B5 | Article No. 1LE1541-1EA63-4FA4

GENERAL DATA

Series / efficiency class	**1LE1541 / IE2**
Housing	**Cast iron**
Frame size	**180 L**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**180 kg**

ELECTRICAL DATA - CATALOG VALUES AT 60 HZ (APAC LINE)

Rated power (P50 rating)	**30 kW (about 40 HP)**
Rated power (P60 rating)	**33.5 kW**
Rated speed (60 Hz)	**3550 rpm**
Rated torque (60 Hz)	**81 Nm**
Rated current (460 V, 60 Hz)	**46 A**
Power factor (60 Hz)	**0.89**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**91.7 | 91.8 | 90.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**8.5 | 2.5 | 3.7**
Moment of inertia J	**0.094 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**81 | 83 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1541, p. 2/70 (PDF 188)**

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Data sheet

SIMOTICS GP low-voltage motor - series 1LE1503 (IE3)

1LE1503-2AA43-4AA4

30 kW / 3000 rpm

Frame 200 L | 2 poles | IM B3 | Article No. 1LE1503-2AA43-4AA4

GENERAL DATA

Series / efficiency class	**1LE1503 / IE3**
Housing	**Cast iron**
Frame size	**200 L**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**225 kg**

ELECTRICAL DATA

Rated power 50 Hz	**30 kW (about 40 HP)**
Rated power 60 Hz	**33.5 kW**
Rated speed (50 Hz)	**2955 rpm**
Rated torque	**97 Nm**
Rated current	**53 A**
Power factor	**0.87**
Efficiency 4/4 | 3/4 | 2/4	**93.3 | 93.5 | 92.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7 | 2.5 | 3.3**
Moment of inertia J	**0.134 kgm2**
Sound pressure / power LpfA | LWA	**67 | 80 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1503, p. 2/17 (PDF 135)**

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Data sheet

SIMOTICS GP low-voltage motor - series 1LE1503 (IE3)

1LE1503-2AA43-4FA4

30 kW / 3000 rpm

Frame 200 L | 2 poles | IM B5 | Article No. 1LE1503-2AA43-4FA4

GENERAL DATA

Series / efficiency class	**1LE1503 / IE3**
Housing	**Cast iron**
Frame size	**200 L**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**225 kg**

ELECTRICAL DATA

Rated power 50 Hz	**30 kW (about 40 HP)**
Rated power 60 Hz	**33.5 kW**
Rated speed (50 Hz)	**2955 rpm**
Rated torque	**97 Nm**
Rated current	**53 A**
Power factor	**0.87**
Efficiency 4/4 | 3/4 | 2/4	**93.3 | 93.5 | 92.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7 | 2.5 | 3.3**
Moment of inertia J	**0.134 kgm2**
Sound pressure / power LpfA | LWA	**67 | 80 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1503, p. 2/17 (PDF 135)**

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Data sheet

SIMOTICS GP low-voltage motor - series 1LE1503 (IE3)

1LE1503-1EA63-4AA4

30 kW / 3000 rpm

Frame 180 L | 2 poles | IM B3 | Article No. 1LE1503-1EA63-4AA4

GENERAL DATA

Series / efficiency class	**1LE1503 / IE3**
Housing	**Cast iron**
Frame size	**180 L**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**173 kg**

ELECTRICAL DATA

Rated power 50 Hz	**30 kW (about 40 HP)**
Rated power 60 Hz	**33.5 kW**
Rated speed (50 Hz)	**2950 rpm**
Rated torque	**97 Nm**
Rated current	**53 A**
Power factor	**0.88**
Efficiency 4/4 | 3/4 | 2/4	**93.3 | 93.9 | 93.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**8.6 | 2.6 | 3.9**
Moment of inertia J	**0.094 kgm2**
Sound pressure / power LpfA | LWA	**67 | 80 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1503, p. 2/24 (PDF 142)**

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60 Hz speed/efficiency are not listed in the catalogs (see Siemens DT Configurator).

Data sheet

SIMOTICS GP low-voltage motor - series 1LE1503 (IE3)

1LE1503-1EA63-4FA4

30 kW / 3000 rpm

Frame 180 L | 2 poles | IM B5 | Article No. 1LE1503-1EA63-4FA4

GENERAL DATA

Series / efficiency class	**1LE1503 / IE3**
Housing	**Cast iron**
Frame size	**180 L**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**173 kg**

ELECTRICAL DATA

Rated power 50 Hz	**30 kW (about 40 HP)**
Rated power 60 Hz	**33.5 kW**
Rated speed (50 Hz)	**2950 rpm**
Rated torque	**97 Nm**
Rated current	**53 A**
Power factor	**0.88**
Efficiency 4/4 | 3/4 | 2/4	**93.3 | 93.9 | 93.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**8.6 | 2.6 | 3.9**
Moment of inertia J	**0.094 kgm2**
Sound pressure / power LpfA | LWA	**67 | 80 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1503, p. 2/24 (PDF 142)**

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60 Hz speed/efficiency are not listed in the catalogs (see Siemens DT Configurator).

Data sheet

SIMOTICS GP low-voltage motor - series 1LE1543 (IE3)

1LE1543-2AA43-4AA4

30 kW / 3000 rpm

Frame 200 L | 2 poles | IM B3 | Article No. 1LE1543-2AA43-4AA4

GENERAL DATA

Series / efficiency class	**1LE1543 / IE3**
Housing	**Cast iron**
Frame size	**200 L**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**225 kg**

ELECTRICAL DATA - CATALOG VALUES AT 60 HZ (APAC LINE)

Rated power (P50 rating)	**30 kW (about 40 HP)**
Rated power (P60 rating)	**33.5 kW**
Rated speed (60 Hz)	**3560 rpm**
Rated torque (60 Hz)	**80 Nm**
Rated current (460 V, 60 Hz)	**47 A**
Power factor (60 Hz)	**0.87**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**92.4 | 92.2 | 91.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**7.6 | 2.9 | 3.6**
Moment of inertia J	**0.134 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**77 | 84 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1543, p. 2/57 (PDF 175)**

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APAC Line: the catalog lists operating values at 60 Hz only; 50 Hz speed/efficiency are not listed (see Siemens DT Configurator).

Data sheet

SIMOTICS GP low-voltage motor - series 1LE1543 (IE3)

1LE1543-2AA43-4FA4

30 kW / 3000 rpm

Frame 200 L | 2 poles | IM B5 | Article No. 1LE1543-2AA43-4FA4

GENERAL DATA

Series / efficiency class	**1LE1543 / IE3**
Housing	**Cast iron**
Frame size	**200 L**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**225 kg**

ELECTRICAL DATA - CATALOG VALUES AT 60 HZ (APAC LINE)

Rated power (P50 rating)	**30 kW (about 40 HP)**
Rated power (P60 rating)	**33.5 kW**
Rated speed (60 Hz)	**3560 rpm**
Rated torque (60 Hz)	**80 Nm**
Rated current (460 V, 60 Hz)	**47 A**
Power factor (60 Hz)	**0.87**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**92.4 | 92.2 | 91.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**7.6 | 2.9 | 3.6**
Moment of inertia J	**0.134 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**77 | 84 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1543, p. 2/57 (PDF 175)**

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Data sheet

SIMOTICS GP low-voltage motor - series 1LE1543 (IE3)

1LE1543-1EA63-4AA4

30 kW / 3000 rpm

Frame 180 L | 2 poles | IM B3 | Article No. 1LE1543-1EA63-4AA4

GENERAL DATA

Series / efficiency class	**1LE1543 / IE3**
Housing	**Cast iron**
Frame size	**180 L**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**180 kg**

ELECTRICAL DATA - CATALOG VALUES AT 60 HZ (APAC LINE)

Rated power (P50 rating)	**30 kW (about 40 HP)**
Rated power (P60 rating)	**33.5 kW**
Rated speed (60 Hz)	**3560 rpm**
Rated torque (60 Hz)	**80 Nm**
Rated current (460 V, 60 Hz)	**47 A**
Power factor (60 Hz)	**0.87**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**92.4 | 92.6 | 92.1 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**8.8 | 2.9 | 4.5**
Moment of inertia J	**0.094 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**77 | 89 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1543, p. 2/63 (PDF 181)**

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APAC Line: the catalog lists operating values at 60 Hz only; 50 Hz speed/efficiency are not listed (see Siemens DT Configurator).

Data sheet

SIMOTICS GP low-voltage motor - series 1LE1543 (IE3)

1LE1543-1EA63-4FA4

30 kW / 3000 rpm

Frame 180 L | 2 poles | IM B5 | Article No. 1LE1543-1EA63-4FA4

GENERAL DATA

Series / efficiency class	**1LE1543 / IE3**
Housing	**Cast iron**
Frame size	**180 L**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**180 kg**

ELECTRICAL DATA - CATALOG VALUES AT 60 HZ (APAC LINE)

Rated power (P50 rating)	**30 kW (about 40 HP)**
Rated power (P60 rating)	**33.5 kW**
Rated speed (60 Hz)	**3560 rpm**
Rated torque (60 Hz)	**80 Nm**
Rated current (460 V, 60 Hz)	**47 A**
Power factor (60 Hz)	**0.87**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**92.4 | 92.6 | 92.1 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**8.8 | 2.9 | 4.5**
Moment of inertia J	**0.094 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**77 | 89 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1543, p. 2/63 (PDF 181)**

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Data sheet

SIMOTICS GP low-voltage motor - series 1LE1504 (IE4)

1LE1504-2AA43-4AA4

30 kW / 3000 rpm

Frame 200 L | 2 poles | IM B3 | Article No. 1LE1504-2AA43-4AA4

GENERAL DATA

Series / efficiency class	**1LE1504 / IE4**
Housing	**Cast iron**
Frame size	**200 L**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**222 kg**

ELECTRICAL DATA

Rated power 50 Hz	**30 kW (about 40 HP)**
Rated power 60 Hz	**33.5 kW**
Rated speed (50 Hz)	**2955 rpm**
Rated torque	**97 Nm**
Rated current	**54 A**
Power factor	**0.85**
Efficiency 4/4 | 3/4 | 2/4	**94.5 | 94.8 | 94.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.9 | 2.8 | 4**
Moment of inertia J	**0.13 kgm2**
Sound pressure / power LpfA | LWA	**69 | 83 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1504, p. 2/9 (PDF 127)**

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60 Hz speed/efficiency are not listed in the catalogs (see Siemens DT Configurator).

Data sheet

SIMOTICS GP low-voltage motor - series 1LE1504 (IE4)

1LE1504-2AA43-4FA4

30 kW / 3000 rpm

Frame 200 L | 2 poles | IM B5 | Article No. 1LE1504-2AA43-4FA4

GENERAL DATA

Series / efficiency class	**1LE1504 / IE4**
Housing	**Cast iron**
Frame size	**200 L**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**222 kg**

ELECTRICAL DATA

Rated power 50 Hz	**30 kW (about 40 HP)**
Rated power 60 Hz	**33.5 kW**
Rated speed (50 Hz)	**2955 rpm**
Rated torque	**97 Nm**
Rated current	**54 A**
Power factor	**0.85**
Efficiency 4/4 | 3/4 | 2/4	**94.5 | 94.8 | 94.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.9 | 2.8 | 4**
Moment of inertia J	**0.13 kgm2**
Sound pressure / power LpfA | LWA	**69 | 83 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1504, p. 2/9 (PDF 127)**

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